

SOW FOR ONE VIDEO WALL SYSTEM FOR THE COLOMBIAN NATIONAL POLICE (DIPOL) AT BOGOTA, COLOMBIA.

General requirement

The awarded contractor shall provide a High Definition Video Wall System Solution (HDVWSS). The awarded contractor shall supply, install, setup and deploy a video projection system, which shall connect the existing CCTV system, Control Access system, networking devices and the control room. The awarded contractor shall provide the training for the system operation and maintenance support (Preventive service only). The new system shall be placed in DIPOL headquarters at the DIPOL Building Control Room of the Colombian National Police – DIPOL in Bogotá.

The awarded contractor shall guarantee an IT solution for continuous operation during a minimum period of five (5) years. Hence, the awarded contractor shall include supplies, consumables, spare parts and software patches, which are required to operate during a continuous period of 24 hours per day, 365 days per year during the proposed period of operation (Excepting preventive/corrective maintenance services)

The new HDVWSS shall permit the video users to integrate multi-operational OS platforms and networks, in order to receive, process, integrate and project multimedia files such as videos, audio, photos, maps and miscellaneous documents formats such as MsWord documents, MSExcel spread sheets and MSPowerPoint presentations.

The new HDVWSS shall be integrated into the existing Colombian National Police networking environment, connecting the new system into the enterprise LAN, WiFi and blue tooth systems.

The new HDVWSS shall include the following issues:

- A set of High definition displays, which shall be deployed as video wall matrix
- Main core video processor system
- Video Wall System Administration tool

As a complement of the proposed HDVWSS, the bidder shall provide a quote for the following devices, which shall be part of the main core solution as follows:

- High Definition spare part screen to be supplied
- LAN switch 24 ports UTP
- Training for users and administrators about operation and maintenance of the new HDVWSS to be provided and installed

SPECIFIC REQUIREMENT

I. High Definition Video Wall System

Display units (Multi-monitor solution 2X4)

The bidder shall provide a quote for supply, installation and setup a brand new video projection system, built by an internationally recognized manufacturer with local representation in Colombia, which is composed by eight (8) LCD/LED displays. Each LCD/LED screen shall have the following features: 46 inches viewable area, frameless solution (7mm or lower gap between panels), high definition, resolution 1080F, 2560x1600, 178/178 degrees viewable angle. The signal outputs shall be wired up to the video processor system. The bidder shall quote for supply a LCD/LED display spare unit, which shall comply with the technical specifications mentioned on this item. The awarded contractor shall include a spare part Display unit.

Video Wall controller

The bidder shall provide a quote for supply, installation and setup of a brand new video controller server, built by an internationally recognized manufacturer with local representation in Colombia, which shall integrate the Displays units. The proposed unit shall have the following specifications: 24/7/365 Mission-Critical Ready, Video Outputs 32 ports, 16 RGB inputs, output format VGA/DVI, input format VGA/DVI/HDMI/Component/Composite/BNC/S-Video, Output resolution per channel 2560 x 1600, Processor: Intel Core i7 4 virtual cores, Memory 8GB DDR3 High Speed, NIC Dual Gigabit Ethernet, HDD 2 TB SATA 7200/10000 RPM, optical drive Blu-Ray/DVD/CD, redundant (1+1) power supply system (120VAC/60Hz) power capacity according to hardware solution), Operating System Windows 7 64-Bit Ultimate edition Spanish version, Dual RS-232 Serial Ports, audio 5.1.

Video Wall Software

The bidder shall provide a quote for supply, installation and setup of a video wall software solution. The new software platform shall control and operate the hardware solution and it has to include, but it is not limited to the following technical features: drag and drop the foreground each input window to a specific location on the screen, position & resize control, switching functions between input sources, view and control the video wall system either locally and remotely (from a remote computer), create and save customs layouts, control from multiple PCs. The new software shall include security functions in order to manage users and profiles

(providing rights and permits for the video wall operation and maintenance). The new software shall have capture and recording functions, which shall allow the users to record any input source to hard drive.

LAN switch 24 ports UTP

The bidder shall provide a quote to supply, install and setup one (1) LAN device 24 ports UTP, 10/100/1000 Mbps Gigabit solution, 2 SFP ports including patch cords, rack mounting. The unit shall be managed through web, OSI layer 2/3 and fully compatible with existing CISCO infrastructure. The suggested LAN device is Cisco WS-C3750X-24P-S. The new units shall be placed on the new communication rack located in the control room

Materials, parts and accessories

The awarded contractor shall be responsible to provide and install all materials, parts and accessories (including electrical wiring and power quality strips: 10 duplex receptacles 120VAC/15A and TVSS class A 12KA), which are required to connect all the equipment according to technical parameters stated by the product manufacturer. The awarded contractor shall install the wiring for data, video and control using the existing infrastructure (raceways, piping and power UPS system). If the existing infrastructure is not available to carry-in the proposed wiring, the bidder shall include in his proposal the price to adapt the areas accordingly. The awarded contractor is responsible for the delivery of the existing facilities according to the current conditions. The awarded contractor shall provide and install a metallic wall rack, which shall hold the 2X4 display matrix system. This rack shall allow the user to perform further technical inspections and cleaning to the matrix system. The expected rack shall be supported over floor by means of anchors. The proposed wall rack shall include vertical and horizontal cabling organizer (power and data wiring shall not be mixed; these two systems shall run independently).

Training

The bidder shall provide a quote for furnishing a training service for the new hardware to be provided during the project execution. The proposal shall include training for software: operation, maintenance, configuration and management of the operating system and applications as well as all resources, which are part of the proposed IT solution and according to this SOW. The formal training shall be held at the Colombian National Police- DIPOL. The training shall include a workshop with materials and a qualified expert trainer (The bidder shall include in his offer the resume for the proposed training staff). The dates and hours shall be discussed after

awarding of the contract. The proposed training is focused on two kinds of users: Operational and IT administrators. The number of student is confirmed during project execution.

Network configuration

The awarded contract shall configure a VLAN solution, in order to interconnect the HDVWSS, CCTV, CA and operational stations located in the DIPOL Control Room.

Preventive maintenance and on-site technical support

The bidder shall provide a quote for the service of two (2) preventive maintenances, which shall be provided after the first year of warranty. The maintenance service shall include general overhaul for cleaning, adjustment and system review for all the components, which are subject of this contract. The proposed service shall not be considered as part of the technical assistance covered during the warranty service (first year).

The awarded contractor shall include a dedicated qualified IT technician, who shall be responsible for the system operation, configuration and technical support for the equipments, which are subject of this contract. The proposed service shall be provided immediately after the project final acceptance and shall cover a period of service of three months (5 days per week / 8 hours per day).

Important: the awarded contractor shall include in his proposal an extended warranty service for a period of 3 years (6 days per week, 24 hours during the warranty service time of three years), which shall cover the products requested on this SOW. The extended warranty service shall consist on personal assistance through Internet, telephone and on-site for repair if required. For repair service the bidder shall include labor and spares accordingly. The warranty service shall be provided in Bogotá, Colombia.